UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/844,921	04/26/2001	Alan R. Peterson	P1403USC2	3534

7590   01/22/2009

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EXAMINER
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ART UNIT	PAPER NUMBER
2191	

MAIL DATE	DELIVERY MODE
01/22/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _06 November 2008_.
2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _19-21 and 23-57_ is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) _19-21 and 23-57_ is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All b)☐ Some * c)☐ None of:
      1.☐ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1.   This action is in response to the claims filed on 11/06/2008.

Claims 19-21, 23-57 remain pending in the application.

Response to Arguments

2.   This is in response to the argument remarks filed on 11/06/2008.

In view of the amendment, the rejections under 35 USC 112 first and second and 35 USC

101 are withdrawn.

Regarding the argument remarks with respect to the rejection under Hardman et al, the

amendment is added with new limitations. Applicants' argument remarks are moot in view of

new ground of rejection.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign
country or in public use or on sale in this country, more than one year prior to the date of
application for patent in the United States.

4.   Claims 19-21, 23-39, 40-57 are rejected under 35 U.S.C. 102(b) as being anticipated by

Hardman et al., "Structure Multimedia Authoring", Proceedings of the first ACM International

Conference on Multimedia, Pages: 283-289, August 1993.

As per Claim 19: Hardman discloses,

A method for recording and reviewing actions performed during development of software

content created using a tool on a computer system having a processor and memory, said method

comprising:

receiving one or more user events during the development of the software content (See Figure 3,

Walking route/playing order of nodes. notes: events);

determining which events and sequences of events constitute actions (see p. 286, left column:

walking route sequence, within hierarchy view, the author can select any object); *determining, by*

the computer, whether an explanation accompanies an action (see p. 286, left column, note

names, explicit duration, comment. See right column, table of contents); *recording the*

determined actions during the development of the software content *if a user preference specifies*

that the determined actions are to be recorded (See 4.3: "allows the author to play any part..;

select node, etc.); *and*

recording the determined explanations such that a recorded explanation of a recorded action is

associated with the recorded action. (See sec. 4.3).

As per Claim 20: Hardman discloses,

> *receiving a user request for playback of recorded actions* (Figure 3: places);
>
> *accessing recorded actions and associated recorded explanations; and*
>
> *playing back recorded actions and any associated recorded explanations.*

(See Figure 3, Playing order of nodes).

As per Claim 21: Hardman discloses,

determining whether as explanation accompanies an action includes prompting a user for an
explanation with respect to an action being recorded. (See sec. 4.3)

As per claim 47: Incorporated with the rejection of claim 19, Hardman discloses *wherein*
recorded actions are actions that do not affect the content because the specifying actions such as
in the table do not effect any content.

As per claim 23: Hardman discloses,

displaying a starting state of multimedia content (See Figure 1, p. 285, see Figure 2, the root; see
Figure 7, from beginning, to end);

determining automatically, by the computer which recorded actions satisfy a specified arbitrary
criteria; (See p. 286. sec. 4.1.2; see Figures 3-4: places, for example, specifying a table of
contents, for example, specifying Canal1, canal2, etc. , see sec. 4.3, allow to select which
channels; see sec. 4.3, allow the author to play any part of the presentation);

identifying a plurality of redundant determined recorded actions;

replacing the plurality of redundant determined recorded actions with a summarized determined

recorded action; (in light of the spec: it describes as a removal of redundant actions. Since the

sec. 4.3, shows a user of the authorizing tool controls the selection of nodes that are chosen to

play; user can review and select, thus eliminate the redundant nodes)

and playing back a sequence of only those determined recorded actions in chronological order

on an output device during a development of content (and See Figure 3, it is playing the order of

placing nodes using walking routes; also see sec. 4.1.2).

As per claim 24: Hardman discloses the claim. See rationale as addressed in the claim 19.

As per claim 25: Hardman discloses the claim. See Figure 1, and sec. 4; furthermore, see

rationale as addressed in the claim 19.

As per claim 26: Hardman discloses, *A computer-readable storage medium having stored*

thereon executable computer program instructions, the executable computer program

instructions including an action class list and, when executed by a digital processing system,

causing the system to perform a method for playback of actions from the action class list,

wherein:

the action class list comprises a plurality of action class description fields (See Figure 3,

playing order of nodes), *each action class description field having a first field containing data*

which specifies a particular action class and a second field containing data which specifies a

generic explanation of the class action specified in the corresponding first field, wherein the

action class list is used during playback of actions , during a development of content, to identify

a plurality of redundant actions, to replace the plurality of redundant actions

with a summarized action (See rationale addressed in claim 23) *and to determine an explanation*

associated with the action class of the action and to accompany the played back action with the

determined explanation (See Figure 7, e.g., the information in the boxes relates to a recording

action Canal2, as selected from Walking route of Figure3.

As per claim 27: Hardman discloses, *A computer-readable* storage *medium as defined in claim*

26 wherein said second field identifies a software routine capable of producing an explanation

based upon properties of a recorded action. See Figure 7.

As per claim 28: Hardman discloses the claim. See related rationale addressed in Claim 23.

As per claim 29: Hardman discloses, *The method of claim 28, wherein: at least one action from*

said recorded actions is accompanied by an explanation and said playing back further comprises

playing back any associated recorded explanations along with recorded actions. See p. 288, sec.

4.3; see Fig. 7.

As per claim 30: Hardman discloses the claim. See related rationale addressed in Claim 23.

As per claim 31: Hardman discloses, *The computer-readable* storage *medium of claim 30,*

wherein: at least one action from said recorded actions is accompanied by an explanation and

said playing back further comprises playing back any associated recorded explanations along

with recorded actions. See p. 288, sec. 4.3, see Fig. 7.

As per claim 32: Hardman discloses the claim. See rationale addressed in Claim 19 above.

As per claim 33: Hardman discloses the claim. See rationale addressed in Claim 20 above.

As per claim 34: Hardman discloses, *The apparatus of claim 32, wherein: said playback is based on determining automatically which recorded actions satisfy a specified arbitrary criteria.* See Figures 2-3, placing of notes is arbitrarily selected by the author.

As per claim 35: Hardman discloses the claim. See rationale addressed in Claim 19 above.

As per claim 36: Hardman discloses the claim. See rationale addressed in Claim 19 above and furthermore see Figures 1-3, and sec. 4.

As per claim 37: Hardman discloses the claim. See rationale addressed in Claim 20.

As per claim 38: Hardman discloses, *The computer-readable* storage *medium of claim 36, wherein: said determining comprises determining which events and sequences of events constitute actions by applying one of a plurality of granularities, said one of a plurality of granularities being selected based on criteria, whereby said applied one of a plurality of granularities varies depending on the criteria.* See Figures 1-3.

As per claim 39: Hardman discloses, *An apparatus for recording and reviewing actions performed during development of content created using a tool on a computer system having a processor and memory, said apparatus comprising: a user interface means for receiving user events which occur during development of content; and a recorder module coupled to receive user events from said user interface means, said recorder module determining which events and sequences of events constitute actions and recording those actions* if a user preference specifies that those actions are to be recorded *(See sec. 4.3),* said recorder module capable of recording an explanation for each individual action, said explanations being recorded in a manner which

associates a recorded explanation of a recorded action with the recorded action. See Figures 2-3, and 7.

As per claim 40: Hardman discloses *wherein the specified criteria is a user specified criteria* (See p. 286. sec. 4.1.2; see Figures 3-4: places, for example, specifying a table of contents, for example, specifying Canal1, canal2, etc. , see sec. 4.3, allow to select which channels; see sec. 4.3, allow the author to play any part of the presentation);

As per claims 41, 42, 43, 44, 45, 46: See related rationale in claim 40 above.

As per claim 48: Incorporated with the rejection of claim 23, Hardman discloses *wherein recorded actions are actions that do not affect the content* because the specifying actions such as in the table do not effect any content.

As per claims 49-57: See related rationale in claim 48 above.

Conclusion

5.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (571) 272-3706. The examiner can normally be reached on 8:00AM to 4:30PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708.

       The facsimile number for the organization where this application or proceeding is assigned is the Central Facsimile number 571-273-8300.

   Any inquiry of a general nature or relating to the status of this application should be
directed to the TC 2100 Group receptionist: 571-272-2100. Information regarding the status of
an application may be obtained from the Patent Application Information Retrieval (PAIR)
system. Status information for published applications may be obtained from either Private PAIR
or Public PAIR. Status information for unpublished applications is available through Private
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Should you have questions on access to the Private PAIR system, contact the Electronic Business
Center (EBC) at 866-217-9197 (toll-free).

TTV
January 09, 2009

/Ted T. Vo/
Primary Examiner, Art Unit 2191